J-M MICRO-AIRE Specification Data

Density (nominal)	3.35 pcf
Maximum Air Velocity	2000 fpm**
Maximum Service Temp.	250F
Maximum Internal Pressure	2" water

*The figures given in this table are average values obtained in accordance with accepted test methods.

**Micro-Aire has been tested in the Underwriters' Laboratories at velocities of 5000 fpm and in the J-M laboratories at velocities exceeding 13,000 fpm. The local J-M sales representative can make recommendations for systems operating at velocities higher than 2000 fpm.

THERMAL CONDUCTIVITY

MEAN TEMPERATURE, F		
50	75	100
.22	.23	.24

CONDUCTIVITY: BTU IN. PER SQ FT PER F PER HR

STANDARD SIZES

Micro-Aire is available in standard round duct sizes from 4" through 30" I.D. Rectangular Micro-Aire is available in various cross-sectional dimensions ranging from 6" x 8" to 16" x 18" internal dimensions. All sections are furnished in 6' lengths overall.

UNDERWRITERS' LAB. CLASS.

Listed by U.L. as complying with Class 1 (UL 181) Standards of Safety for Air Ducts

	Exterior Face	Interior Face
Flame Spread	15	15
Fuel Contributed	20	25
Smoke Developed	5	0

SOUND ATTENUATION

Tested on a #6 mounting, Micro-Aire has an NRC over .90. The following tabulation reflects duct sound attenuation in decibels/foot based on actual laboratory tests:

	Sound Attenuation in Decibels per Foot at Frequency (cycles per second) of					
Round Duct Size, I.D., inches	125	250	500	1000	2000	4000
5	0.5	2.0	5.3	11.4	18.6	29.0
8	0.3	1.3	3.2	7.8	14.4	18.5
10	0.2	1.1	2.5	6.0	12.2	16.0
14	0.1	0.9	1.5	3.2	4.3	6.8

BUILD. CODE COMPLIANCE

Micro-Aire is approved by all major building code authorities including:

Building Officials Conference of America, Inc.
Southern Building Code Congress
International Conference of Building Officials
National Board of Fire Underwriters (meets fire rating requirement Standards 90A, 90B)

PACKAGING INFORMATION

I.D. Duct Sizes*, inches	Carton Contents No. of Sections	Carton Contents No. of Feet	Carton Type**	Approx. Gross Shipping Weight, lbs. per carton
4	24	144	A	70
5	15	90	B	52
6	13	78	A	51
7	8	48	C	40
8	8	48	B	46
9	6	36	A	38
10	6	36	A	40
12	3	18	A	28
14	2	12	C	23
16	4	12	C	26
18	4	12	B	28

*For rectangular duct sizes, and round duct sizes greater than 18", consult local J-M Sales Office.

**Carton Dimensions:
Type A—24" x 36" x 72¼";
Type B—20" x 40" x 72¼";
Type C—18" x 36" x 72¼".

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